

# IRON AGE

Farm, Garden and Orchard  
Implements

*American Factory Established 1836*

**BATEMAN M'F'G CO.**

Grenloch, New Jersey, U. S. A

*Canadian Factory Established 1868*

**The Bateman - Wilkinson Co., Limited**  
Toronto, Ontario

TOOLS are carried in stock at centers of distribution. Liberal stocks of suitable tools for each vicinity are carried by the best class of implement and hardware dealers in the country. If not handled by your local dealer, write us for nearest address where tools can be seen and explained.

# Potatoes and

# Profits with the

# IRON AGE Digger



© 1917 Bateman M'F'G Co.



## Be Sure You Get the Profits from Your Crop

**W**HY buy high-priced seed, plant carefully, cultivate and spray regularly to assure a fine crop if that crop is handled carelessly, perhaps damaged, and you are unable to get it out before freezing, or in time to catch a high market early in the season?

Farm labor nowadays is an expensive proposition. The old days when a farm hand's wages were measured in cents instead of dollars have gone forever, but one man can now grow and handle larger crops more quickly than ever before because he has *machinery*. *More* thinking results in *less* labor.

Potato digging is hard work without a machine digger, and it may even be a mean job *with* a digger if you haven't one that will stand racking, grinding work through stony ground, weeds, grass and heavy tops.

Iron Age Potato Diggers are built by specialists on potato machinery. Their potato planters, riding cultivators, spraying machinery, etc., are known wherever potatoes are grown. In business for over 83 years, their experience in the manufacture of farm machinery and their business integrity stand back of every machine carrying the Iron Age trade-mark. Because they are practical farmers and potato growers themselves, they know the needs of the potato grower.

Iron Age Potato Diggers are made in several styles, either with engine or traction power, and there is certainly one that will meet your conditions. Look over the models shown in this folder with field conditions in mind. Take note of the provisions for wear, the adjustment of the plow for digging, and that the machine is shifted into gear from the seat; note particularly the remarkable foretruck that allows easy, short turning, and the rigid pole that lets you back the machine whenever desired.

Any of these diggers will work in rows that are twenty-eight inches apart, if the variety grown sets close to the hill; otherwise the rows should be at least thirty inches apart.

### Our Guarantee

**W**E guarantee every Iron Age Digger, when rightly chosen for its work, to work as well as any other Digger of the same size and capacity. Also, we warrant the Digger for one year against breakage, caused by any defect in material, design or workmanship, and will replace defective parts when same are submitted for inspection and your claim is shown to be just.

**BATEMAN M'F'G CO.**  
GRENLOCH, NEW JERSEY, U. S. A.





BATEMAN M'FG CO.  
GRENLOCH, N.J., U.S.A.

**IRON AGE**

EIGHTY-FOUR  
YEARS IN BUSINESS

## ENGINE-DRIVEN POTATO DIGGER

**D**O you dread potato digging as a big job, or do you look forward with keen pleasure to the everlasting wonder of rolling them out in long rows swiftly and easily, all ready to gather?

Do you save on labor cost, and still get your potatoes out quickly when you want them to catch a high market or before freezing? Do you dig with a machine that requires only two horses and that can be stopped occasionally if necessary while the engine keeps on clearing the elevator?

The IRON AGE Engine Digger with such advantages is of extraordinary value to the grower these days.

It saves horse flesh because only one team is necessary. This frees an extra team for other work about the farm.

It saves labor-cost and time because it delivers the potatoes in long rows clear of dirt and vines all ready to basket.

It works fast and steadily and the driver never has to climb down from his seat to clear the elevator. If elevator should get too full, he can merely slow up the team a moment while the engine goes on working until all is clear.

Particular attention is directed to the patented automatically adjustable foretruck on this machine. With this truck you can turn short anywhere without upsetting or straining the machine. The wheels have caster turns and the truck is pivoted on the pole, allowing wheels to hug the ground no matter how uneven, a very necessary feature where ridging is practiced or where potatoes are planted in checks. This digger can be backed, made to follow a crooked row and the plow held at any depth, because the pole connections make it impossible for it to swing to the side, although it is hinged to raise or lower.

Other features will also be noticed, such as close adjustments for the plow, a shaker with uniform motion under all conditions, roller bearings for the shaker, shaker controlled by lever, spring-trip kickers to help separator in heavy vines and grass, etc.

Our patented automatic throw-out clutch avoids all danger of breakage due to stones lodging in chain, etc.

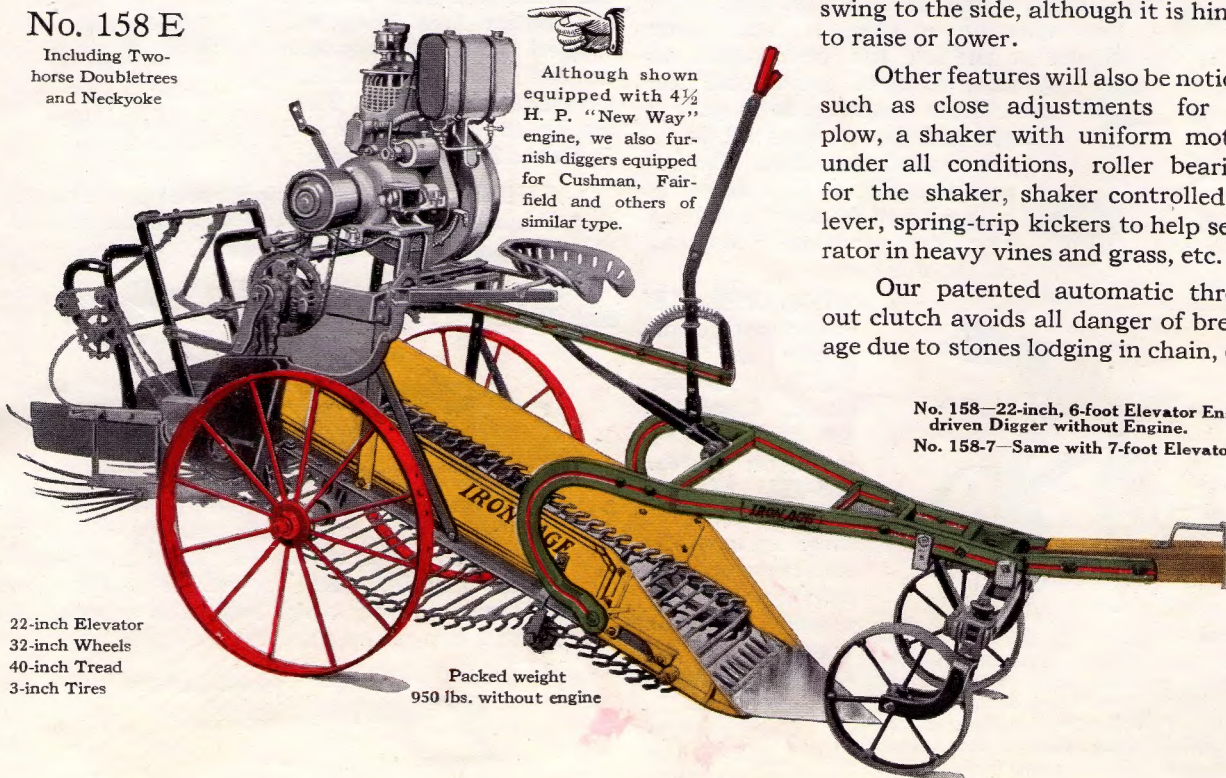
No. 158—22-inch, 6-foot Elevator Engine-driven Digger without Engine.

No. 158-7—Same with 7-foot Elevator.

### No. 158 E

Including Two-horse Doubletrees and Neckyoke

Although shown equipped with  $4\frac{1}{2}$  H. P. "New Way" engine, we also furnish diggers equipped for Cushman, Fairfield and others of similar type.



22-inch Elevator  
32-inch Wheels  
40-inch Tread  
3-inch Tires

Packed weight  
950 lbs. without engine



## ENGINE-DRIVEN POTATO DIGGER—*Continued*

**T**HE Iron Age Engine Digger can be equipped to take the "New Way," Cushman, Fairfield and other engines of similar type, as preferred. The engine can be easily and quickly removed for use on the Iron Age Power Sprayer or for other jobs around the farm. The engine drives the digger machinery with a special hardened steel chain of the very highest quality.

In other respects, the Iron Age Engine Digger is practically the same as the No. 155 described on following pages. The elevator is 22 inches wide and 60 inches long. Wheels are steel, 32 inches in diameter, drilled to take special steel angle lugs if needed on extreme hillsides. Interlocking steel elevator chain or apron, the separate removable bearings of which are easily and cheaply replaced.

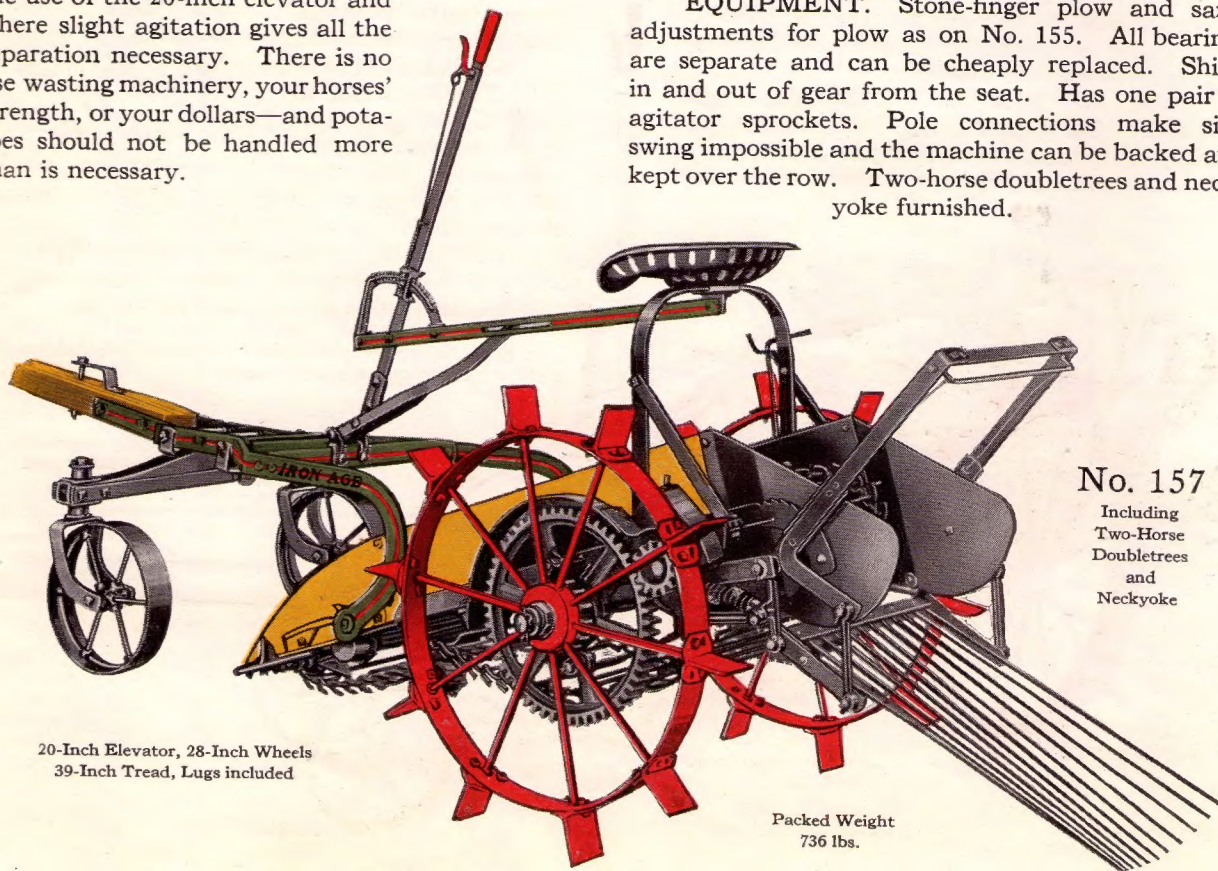
## ELEVATOR POTATO DIGGER

*With Cam Drive Shaker*

**N**O. 157: This machine has 28-inch wheels and 20-inch elevator, and is intended for digging potatoes where conditions of planting warrant the use of the 20-inch elevator and where slight agitation gives all the separation necessary. There is no use wasting machinery, your horses' strength, or your dollars—and potatoes should not be handled more than is necessary.

**THE CAM DRIVE SHAKER** answers every purpose where only slight agitation is required and lighter draft desirable.

**EQUIPMENT.** Stone-finger plow and same adjustments for plow as on No. 155. All bearings are separate and can be cheaply replaced. Shifts in and out of gear from the seat. Has one pair of agitator sprockets. Pole connections make side swing impossible and the machine can be backed and kept over the row. Two-horse doubletrees and neck-yoke furnished.



No. 157

Including  
Two-Horse  
Doubletrees  
and  
Neck-yoke

20-Inch Elevator, 28-Inch Wheels  
39-Inch Tread, Lugs included

Packed Weight  
736 lbs.



## WIDE ELEVATOR POTATO DIGGER

**B**UILT FOR THE HEAVIEST CONDITIONS of vines, grass and soil. The great traction power and long, wide elevators of the No. 155 meet the needs of those parts of the country where the soil is very heavy, the vines perhaps high and grass thick.

This machine is not only equipped to work in such heavy conditions but its staunch construction will stand this sort of constant hard usage for years.

### SPECIAL FEATURES

Throws in and out of gear from the seat—the only digger with this important advantage. One lever shifts the pawls in both wheels at once. The operator remains in his seat at end of row, throws out the gear and keeps the potatoes on the shaker instead of scattering them as he turns the machine.

THE AUTOMATIC ADJUSTABLE FORETRUCK generally decides a sale to the experienced potato grower. With this remarkable truck you can turn short anywhere, with-

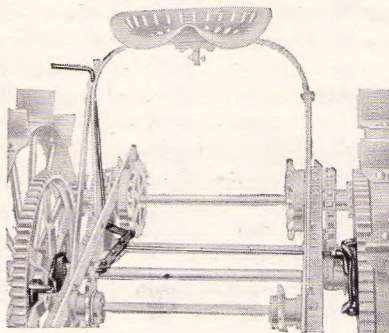


FIG. 474  
Shifts from the Seat  
Saves scattering potatoes at  
ends of rows

out upsetting or straining the machine. Its connections with the pole are pivoted and the wheels swing on casters. Level ground, ditches, grass hummocks at edge of field, roots around a tree in the center of the field, a side hill—all are the same to the IRON AGE because of this truck. It is necessary in high ridging or where potatoes are planted in checks.

Another unusual feature of the IRON AGE Digger—IT CAN BE BACKED. Machine is always under perfect control and can be kept over the row or held to any depth,

because the pole connections make it impossible for it to swing to one side, although hinged to raise or lower.

**MALLEABLE CASTINGS AND STEEL** almost entirely. So strong, compact and carefully fitted that it keeps tightly bolted and will not rack to pieces by heavy going. Heavy steel angle side bars.

**THE PLOW.** Made of 5-16 inch steel and fitted with stone fingers. When stones strike top of plow the fingers give, so there is no clogging.

**CLOSE ADJUSTMENTS** are made so that the plow does not take up more soil than is necessary in order to get the potatoes without cutting them.

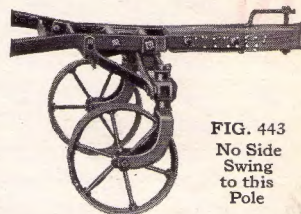
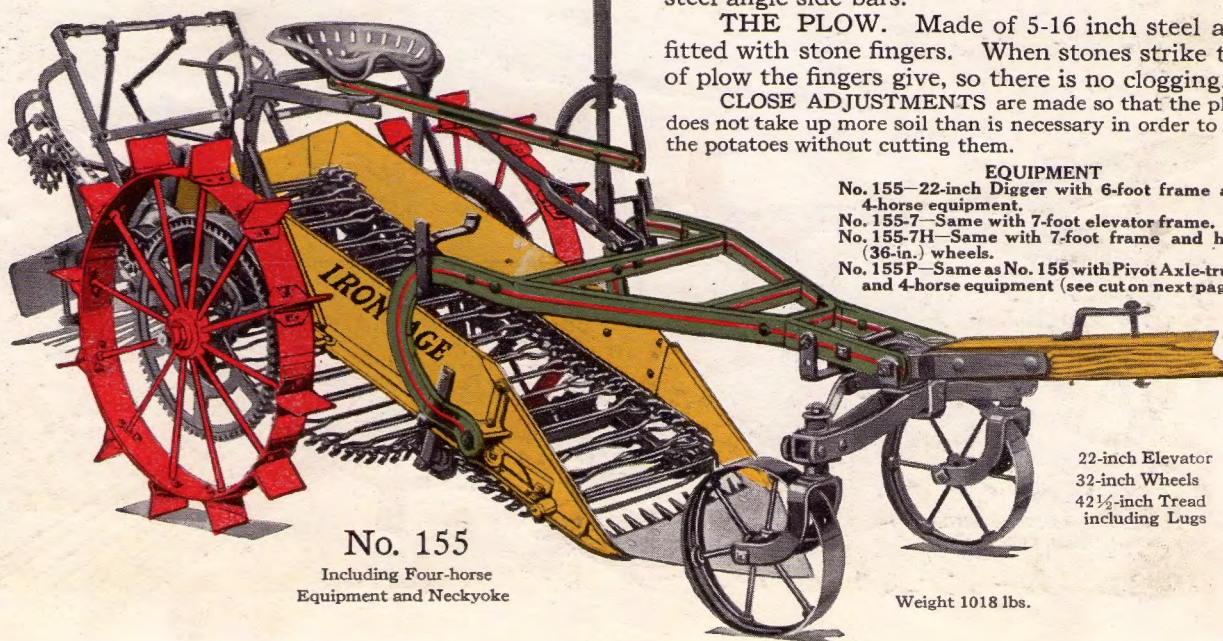


FIG. 443  
No Side  
Swing  
to this  
Pole



No. 155

Including Four-horse  
Equipment and Neckyoke

**EQUIPMENT**  
No. 155—22-inch Digger with 6-foot frame and 4-horse equipment.  
No. 155-7—Same with 7-foot elevator frame.  
No. 155-7H—Same with 7-foot frame and high (36-in.) wheels.  
No. 155P—Same as No. 155 with Pivot Axle-truck and 4-horse equipment (see cut on next page).

22-inch Elevator  
32-inch Wheels  
42½-inch Tread  
including Lugs

Weight 1018 lbs.



## Wide Elevator Potato Digger—Continued

**L**ARGE ELEVATORS, big enough to take care of all possible needs without clogging. Elevator on No. 155 and No. 155P is 22 inches wide and 60 inches long; on the No. 155-7, 22 inches wide and 72 inches long.

**SEPARATION IS THOROUGH.** Elevator apron made of interlocking steel crossbars. Elliptical sprockets give them just the right motion. No unnecessary tension on apron, which is driven direct by gearing from each side.

**A CLEAR, OPEN ELEVATOR.** Nothing in the way of potatoes and soil traveling from plow up the elevator. No potatoes pushed aside on the plow, as the elevator sides extend out far enough on the plow to prevent this.

**SEPARATE, REMOVABLE BEARINGS,** Fig. 471, carry the elevator apron. Easily and cheaply replaced. The parts of the middle bearings are shown in Fig. 472. One of these parts is an agitator sprocket which can be changed for a plain round bearing with lugs, when less agitation is desired. The sleeve shown at the left can be changed to opposite sides to get double the wear. Note that the bearings are flanged and the washers set in to keep out sand and dust. The repair expense on this digger is only a small fraction of that on any other machine of the kind on the market.

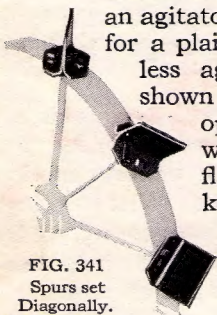
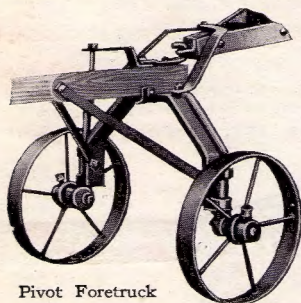


FIG. 341  
Spurs set  
Diagonally.  
No Slipping on  
Hillsides



Pivot Foretruck

will be furnished on the Nos. 155 and 158 Diggers when ordered instead of our patented automatic adjustable truck. This truck has strong arch and steel wheels, securely pivoted and braced. Wheel hubs and bearings can be removed. Flanges keep dirt out of hubs. Grease cups. Pole connected to main frame with a strong hook.

**HIGH WHEELS** give more traction power and ride hills and hollows easily. Diameter 32 inches (36 inches on the No. 155-7H) with a 4-inch tire, and large spurs (4½ inches wide) all help to give greater traction. Power transmitted by heavy main gears on each wheel.

Cast removable hub boxes in the wheels—the

only part that can wear—are easily and cheaply replaced. The spurs can be bolted as shown in Fig. 341 for holding on side hills.

**THE SHAKER** has uniform motion—heavy crop, soil or grassy conditions do not affect it and it does its share for perfect separation. Shaker tines can be shaped to drop potatoes either in the middle of the row or at one side as desired.

**ROLLER BEARINGS** on each side of the shaker where the hardest work is done reduce friction and wear to a minimum.

**STEEL KICKERS** with spring trip, help to keep the vines and grass moving. No matter how thick and tangled the bunch, it is soon worked loose by the kickers working as on a tedder. They are driven by a chain and tightened in a simple way.

**A VINE SEPARATOR** is furnished as a part of each shaker. Heavy growths of vines make it desirable to separate them from the crop.

Complete four-horse equipment is shipped with each No. 155, 155P, 155-7 or 155-7H Digger for four



FIG. 379

Four-Horse Equalizer, Complete (Black Parts Only)

horses abreast. Three-horse equipment will be furnished at same price, if preferred. Fig. 379 shows a four-horse equalizer which will make a two-horse rig into the complete outfit for four. Fig. 203 shows a three-horse equalizer which has parts necessary to change from two to three horses.

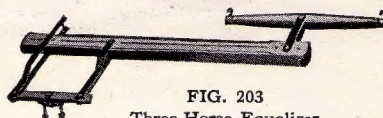


FIG. 203  
Three-Horse Equalizer

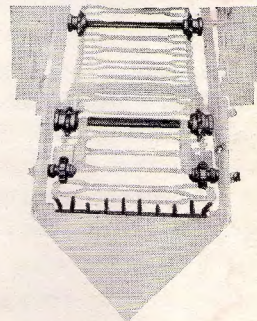


FIG. 471

A plain system of Bearings and Sprockets for the chain. Protected against dirt and easily replaced when worn. Note also Stonefinger equipment for Plow. (See also page 3)

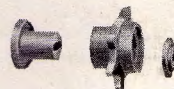


FIG. 472  
Separate parts for  
Middle Bearings